ABSTRACT

An interface transmitter coupled among a number of network elements of at least one network is provided, wherein a number of data frames of a first type are received from at least one processor and stored in

5   at least one random access memory (RAM). Data is read from the RAM to at least one data serializer in response to a number of signals received from the processor and over at least one backplane network. A number of data frames of a second type corresponding to the data frames of a first type are generated and serially transferred among the network elements using the

10   backplane network.